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The effectiveness of Augmented Reality and Virtual Reality in marketing communications

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ABSTRACT

In this Research our aim is to examine the new ways of digital marketing by the use of techniques such as Augmented Reality that is a way of experiencing the real world benefits and facilities even without actually having it and also Virtual reality that is a way of connecting the consumers to the virtual world. Augmented Reality in Marketing advertising has found a classic and unique way to engage interested people with the company brand. In summary, the primary intention of this project is to bring up or raise the awareness of augmented reality in present and future especially in the marketing and advertising filed by providing the various uses, advantages, applications, benefits and effectiveness of Augmented Reality in Marketing Communications by a thorough and in-depth research. Evaluating the consumer experience with ARM in the Digital world as it is latest, emerging and most effective way of advertising.

Keywords— Augmented Reality Marketing (ARM), Experiential Marketing, Virtual Reality, Consumer attitude and purchase intention, Telepresence, Artificial Intelligence (AI)

1. INTRODUCTION

Virtual and Augmented Realities (VR and AR) are still exceptionally new and interesting topics in any industry. As a geek and a showcasing aficionado, we needed to explore these two advances and figure out how they have been utilized so far in computerized promoting, what has worked the best and what are some must-have things to remember when beginning a VR or an AR advertising effort.

Since it tends to be marginally befuddling to a few people, we will begin by clarifying the distinctions of the two, and furthermore clarifying and including Mixed Reality (MR) to the "blend" also, in light of the fact that it's essentially a further developed form of AR.

We will likewise expound on how VR and AR have been utilized before and give some intriguing models.

VR is considered to a promising innovation for the Hospitality and Tourism industry that has the amazing impact of tricking the faculties into trusting one is available in a virtual world, by giving intelligent 3D surroundings recreated by a PC. These recreations can delineate any vacationer area or fascination repeated as 3D symbolism, constrained by ground-breaking PCs making a total Virtual Environment (VE). VE is just a virtual advanced condition produced that makes the client with VR hardware feels as though he/she is available inside it. A total VR System is viewed as the interface between this present reality client and the VE. As indicated by a report distributed in May 2017, (Grand View Research, Inc.), the VR business is relied upon to reach USD 692 billion by 2025 and the idea can possibly extend from fundamental gaming to different applications like Education, Medicine and Healthcare, Architecture, Sports, TV Programs, Movies and Music and a lot more. VR is picking up front line consideration in 2017 as different organizations like Google, Microsoft, Facebook, HTC and numerous others, have thought of their own structures of VR Head-Mounted Displays (HMDs). AR is a joining of this present reality and the virtual world, with the point of giving extra data about something in reality with data showed in the virtual world. For example, an individual could take a gander at a depiction or a machine, in reality, hold up their cell phone or tablet before the artistic creation or machine, and see on the screen the canvas or machine with extra helpful data, along these lines enlarging reality. On account of the artistic creation, the extra data could be about the painter and the composition procedure and the painter's life for example. Whereas, if there should arise an occurrence of the

machine, the extra data could be about how to open the machine and supplant a broken part. AR innovation is additionally equipped for changing the vacationer experience by making conceivable the arranging, seeing and getting to area-based data of the occasion voyage and goals, in an intuitive, and straightforward way, from different spots. Clients can see and book their lodging, get to data while they are there, explore around their goal, decipher composed, verbally expressed signs or discussions, finding eating and amusement choices. It should all be possible essentially through an application on a cell phone. In 2009 the primary AR cell phone applications turned out, utilizing AR innovation to include a layer of direction, substance and diversion to physical areas seen through the cell phone's camera see.

Tuscany+ was the first application manufactured explicitly for the travel industry- an "intelligent, ongoing aide" - planning to upgrade the guest experience. The AR innovation made it conceivable to layer the computerized upgrades over a current reality or genuine situation.

2. AUGMENTED REALITY VS. VIRTUAL REALITY

Virtual Reality (VR) and Augmented Reality (AR) have both been getting a ton of media consideration as of late and are expecting to hit the standard in the exceptionally not so distant future. In any case, there is still some perplexity about the contrast between the two. They both consider Extended Reality (XR), which implies they are genuine and-virtual conditions produced by PC illustrations. Both VR and AR utilize a portion of similar kinds of innovation and exist to give the client an upgraded or advanced involvement. Be that as it may, they contrast especially in reason and conveyance technique, and the principle distinction is truly in the drenching range.

Where augmented reality includes virtual segments, for example, advanced pictures and designs as another layer of communication with this present reality, virtual reality makes it's very own totally PC created and driven reality.

To enter virtual reality, the client wears an HMD (head-mounted presentation) to almost certainly move and check out the counterfeit world. The client can connect with this world with straightforward head developments or by utilizing an amusement controller sort of gadget, depending obviously on the application and HMD being utilized. VR applications and recreations can at present be utilized on cell phones, PCs and sure computer game consoles. Independent VR headsets are as of now being made and ought to turn out in 2018.

Augmented Reality is generally utilized on cell phones, utilizing the gadgets' camera to see the world in AR. While seeing the live real-world environment, the watcher can likewise observe PC created designs layered over it. Diverse AR applications can utilize GPS, picture enrollment and PC vision to have these AR illustrations fit in and act all the more normally with this present reality.

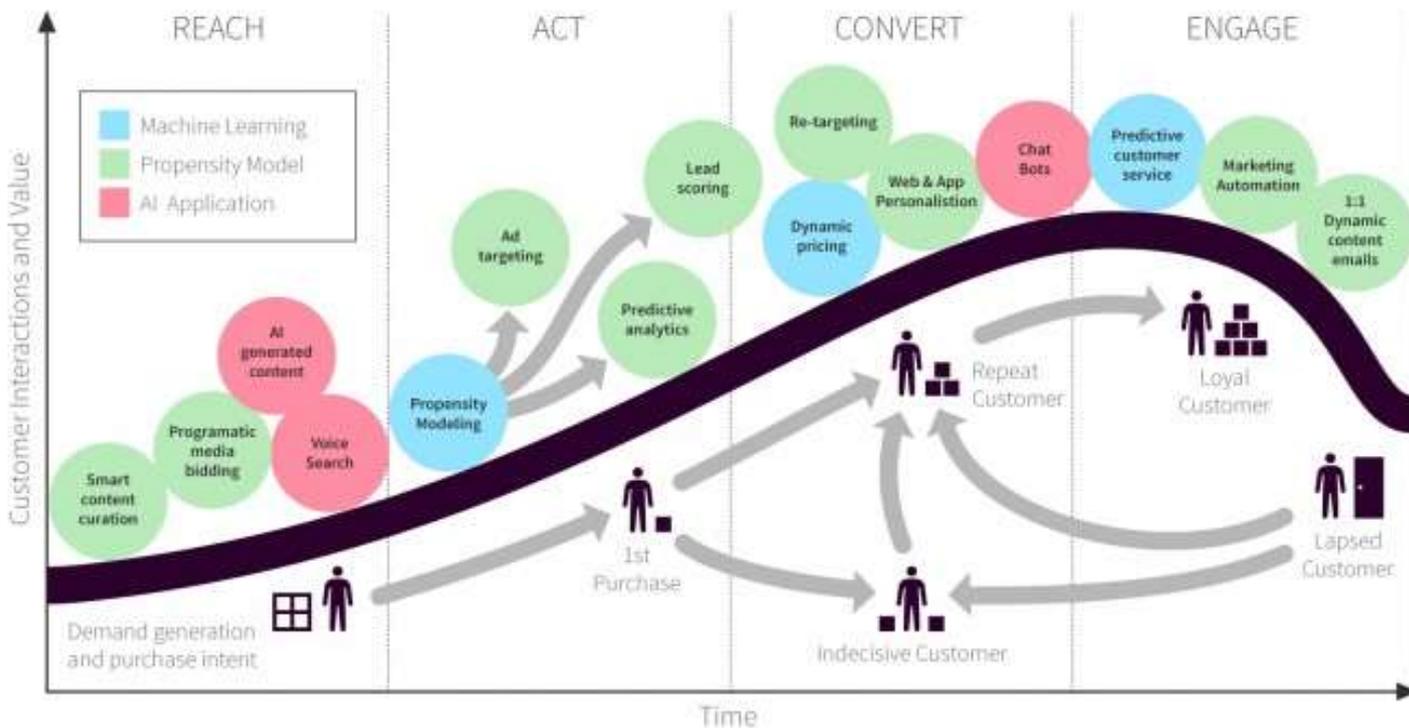
3. ROLE OF AR IN EXPERIENTIAL MARKETING

Today differentiation, creativity, and innovation are constant denominators while designing an experience for the end customer which is being achieved through the application of AR and VR in the marketing of products. In order to derive experiential marketing, it is important to know the psyche of the consumers. Today both AR and VR as a medium has increased the attention span of a viewer. It is important to put the potential customers from anywhere in the world and visually communicated the features of your brand, hence increasing brand awareness at the same time which is driven by virtual reality experiences. One of the best examples to explain this concept is the IKEA VR experience wherein you put the VR headset and you can explore the kitchen solutions in full 3D, interacting with objects just like you were there. Experiential Marketing is very important to involve your consumer with the brand and is also playing an important role in creating an emotional connection with your consumer. Digital Scavenger Hunts, Outdoor displays and exhibits, sticker bombs are also some tools of experiential marketing which have given companies a competitive advantage in building up their brand identity. AR and VR help in creating a two-way dialogue which helps in customer retention and keeps up their expectations about a certain product. It also helps in creating Trial and Introduction as the consumer is getting the glimpse of the product even before actually buying the product.



4. PROSPECTS OF AI IN AUGMENTED REALITY MARKETING

Today most of the consumers think that society will become better from increased automation and AI. AI plays an important role in significantly impacting human life as it affects their decision making and preferences. The fastest growing areas of AI are computer vision, natural language generation, conversational chatbots etc. The AI model to derive ARM has been divided into four phases which reach, ACT, CONVERT and ENGAGE.



The main aim is to improve applications by combining the power of AI with social awareness algorithms and natural language processing. AI enables marketers to pull insights from both structured and unstructured data which gives brands the power they need to produce more personalized and meaningful interactions with their customers. One of the best examples to explain this concept is the Alexa by Amazon wherein through the voice recognition software, the company is able to know about the consumer's needs and are redirected to the site through messages and popup ads on social networking sites which help in associating the consumer towards the brand. This technology is also being used in the travel industry for the segmentation of reviews, for example if you are a millennial and is looking forward to travel to Las Vegas you won't appreciate a review posted by a 30-40 yrs old person and this where AI comes into existence which helps in filtering out the reviews by age, place and maybe profession ensuring that the right product and right content about the product is delivered to the end consumer. This helps marketers in tapping new and ideal customers who are likely to make a purchase. This also brings in the concept of Predictive Marketing by using predictive analysis and data science you get to know about the right offer to be delivered to the customers.

5. AR IN INTERACTIVE IMAGE TECHNOLOGY AND TELEPRESENCE

Interactiveness can be depicted as "the degree to which clients can partake in changing the arrangement and substance of an intervened situation progressively" (Steuer, 1992, p. 84). Following, AR can be delegated an exceptionally intelligent innovation. Different examinations investigated the diverse parts of intuitive capacities on online business locales (Fiore, Kim and Lee, 2005a; Mollen and Wilson, 2010).

In the most recent decade, the dimension of intelligence immediately advanced from 360° item introductions to virtual fitting rooms which enable clients to encounter the results of retailers on themselves or task them in their own living space. Arrangements like Fitnect or the IKEA application empower clients to picture how unique garments coordinates together or whether a household item fits at the apportioned spot (Fitnect, n.d.; Stinson, 2013).

Telepresence can be portrayed as "the experience of quality in a domain by methods for a correspondence medium" (Steuer, 1992, p. 76). As per Fiore et al. (2005a) and Schwartz (2011), the evoked telepresence through intelligent picture innovations assumes a moderate job in impacting purchasers' intellectual reactions. Also, Schwartz (2011) demonstrated an impact of telepresence on the demeanour towards the item and on clients' buy goal through expanded item learning. Also, this in accordance with past investigations which discovered that while interfacing with innovation, the passionate, social and psychological commitment is expected to affect increasing certain learning (Deater-Deckard, Chang, and Evans, 2013; Pekrun and Linnenbrink-Garcia, 2012).

Along these lines, regardless of whether the quality and plan of AR experience can make telepresence, and convincingly emulates an immediate item experience, is by all accounts a pivotal factor in impacting buy goal. A few analysts inspected how telepresence is accomplished. Klein (2003) found that "client control" and "media lavishness" of the virtual item experience are encouraging telepresence, while Coyle and Thorson (2001) distinguished the comparative builds "intuitiveness" and "striking quality." Furthermore, Papagiannidis, See-To and Bourlakis (2014) guessed control, shading distinctiveness, realistic clarity and 3D validness as determinants of telepresence. The capacity to have authority over the experience and item is additionally thought to be one of the

primary reasons why clients are entranced by PC based exercises (Ghani and Deshpande, 1994; Song and Zinkhan, 2008), and which prompts a more grounded disposition towards the item (Klein, 2003).

The likelihood to change components of a virtualized item and the structure procedure of fitting a virtualized item in the client's very own space has likewise co-creational esteem, which can affect client connections (Pralhad and Ramaswamy, 2000), and inspires development through client thoughts (Pralhad and Ramaswamy, 2004). Additionally, clients have an abnormal state of control in an immediate item experience, and in this manner can choose what to contact and in what request. In an interceded involvement, for example, through TV and intelligence lacking on the web introduction, the conceivable scope of decisions is restricted (Klein, 2003).

By the by, Fiore et al. (2005a) accept that intuitiveness, for example through a picture control, 3D visual visits and engaging recreations, may preclude the negative impacts from securing the powerlessness to encounter the genuine items. As the dimension of intelligence can be considered as high for the increase of items in the picked AR applications, the made real experience is relied upon to be like an immediate item experience, and subsequently makes an abnormal state of commitment and telepresence.

6. ATTITUDE AND PURCHASE INTENTION

As per the theory of planned behaviour (TPB) by Ajzen (1985), the frame of mind toward conduct can foresee the aim of playing out the conduct. Subsequently, it very well may be gathered that the more positive the attitude towards an item is, the higher the aim to buy is. Moreover, the hypothesis of disposition conduct consistency by Smith and Swinyard (1983) demonstrates that an immediate item experience prompts a more ideal frame of mind and conduct consistency than a roundabout item experience. Thus, as AR is equipped for making telepresence, which is tantamount with an immediate item experience, the disposition conduct consistency can be relied upon to be high (Schwartz, 2011).

As indicated by Huang and Liao (2015), the visual intrigue and the excitement estimation of an AR application are imperative factors that further encourage the manageable utilization of the application. Particularly for virtual attempts, the visual engaging quality has an impact on judicious buy choices and the utilitarian experience when virtual apparel gets fitted to the shopper's body and a few garments things are worn together (Eckman, Damhorst, and Kadolph, 1990; Geissler and Zinkhan, 1998). Also, the helpfulness and usability are thought to be the primary builds that impact mentality towards utilizing AR, and consequently in accordance with research about the intuitive site components and their effect on demeanour towards the site (Chen, Gillenson, and Sherrell, 2002; Kim and Forsythe, 2008). Moreover, sites that are very enlightening, engaging and need bothering, are expected to make great frames of mind towards them (Chen, Clifford, and Wells, 2002). The handiness of AR consequently profoundly relies upon the assignment and will be frequently observed by clients in correlation with their current shopping schedule. Bulearca and Tamarjan (2010) explored the use of an online AR application to attempt on glasses and discovered that the clients generally esteemed the comfort and efficient of the online application. Anyway, the clients additionally communicated a few imperatives with respect to whether it can substitute their conventional buy process in neighbourhood stores, which gives a mastery as well as suggestions as far as taste. A comparative clarification could be connected to the investigation of Rese et al. (2014) who found moderately uplifting frames of mind towards the IKEA AR application, yet additionally significantly lower social aim to utilize it. Moreover, Schwartz (2011) demonstrated that the virtual item experience of AR can likewise impact the mentality and buy expectation adversely when a given item isn't loved by purchasers. It must be referenced that other than innovation related elements, different viewpoints, for example, social impact, trust and brand certainty are additionally accepted to impact buy aims (Bearden et al., 1989; Mayer et al., 1995; Park and Lessig, 1981).

Therefore, the improved involvement of intuitive picture innovation - and in this way AR - can give both high utilitarian and indulgent esteem, and is equipped for impacting psychological reactions of purchasers (Kim and Forsythe, 2008; Klein, 2003; Li et al., 2002; Schwartz, 2011). Be that as it may, numerous clients don't believe the precision of estimations in an AR setting, for example, whether garments are fitting (Kim and Forsythe, 2008). Subsequently, confiding in the applications as far as genuine size, illustrations, shading exactness and the arrangement with the truth can be viewed as urgent for making a direct (virtual) item experience and affecting the basic leadership procedure of clients.

7. EXAMPLES USED TO EXPLAIN ARM

7.1 Goggles used in Mc Donalds

The happy meal boxes of Mc Donalds were turned into goggles with the display of reuse and recycle. The familiar red and yellow box could be folded into a VR headset. Children of this generation are technologically savvy and demanding in their entertainment experiences, so offering a virtual experience with the Happy Meal seems like a modern replacement for the ball and slide pit.

7.2 My Forever Mark Fitting Jewelry application

The jewellery giant has had unique marketing campaigns over the years and the best out of the lot was 'My Forever Mark Fitting'. The target market was women shopping for rings, diamond necklaces, rings and other jewellery in line. The campaign had shoppers print out a specially marked piece of paper. One had to visit the Forever mark site and hold the paper in front of the webcam which was magically replaced by any piece of jewellery in the line. By a single click of the mouse, the symbol could be transformed into a variety of earrings, pendants and other pieces. By holding it up to their face one can virtually try on a genuine diamond without leaving home. The augmented reality advertisement turned out to be highly effective because it let the women see how the jewellery would look against their skin and was a wonderful experience for them.

7.3. Coca Cola VR experience

At the 2014 World Cup in Brazil, Coca-Cola took advantage of the presence of about 3.5 million people to advance their officially extremely solid brand even further. At the Casa Coca-Cola VR experience, members were first guided into a physical copy of a

locker room. Equipped with uniquely marked Oculus Rift head-mounted showcases, guests were virtually guided out of the locker room and onto the field, where they played a round of soccer. A little later, a virtual salsa move finished the experience, and members apparently worked up a thirst for a cold can of Coke. This is the kind of lavish experience that is hard to get in the home. Much like video arcades and its capacity to outperform home frameworks with custom seating and controller setups, Coca-Cola utilized its capacity to unite the physical world with the virtual to create an unforgettable experience.

7.4 Applications showing nail polishes on the nails before buying the product

There are many applications online in which the nail polishes of various colours are showed online. In these applications, the nails and hands of the people are scanned through the camera and different polishes are applied virtually on screen. With the help of this, the customer can choose which nail polish will suit their skin and hands and then they can buy that one.

8. EXAMPLES USED TO EXPLAIN VRM

A side effect of the chic image that has been cultivated for Virtual Reality in the media is that advertising and merchandise have been associated with VR over the years to take advantage of the buzz. This is often seen in product tie-ins with cross-media properties, especially gaming licenses, with varying degrees of success. The NES Power Glove from the 1980s was an early example.

Marketing ties between VR and video games are not to be unexpected, given that much of the progress in 3D computer graphics and virtual environment development (traditional hallmarks of VR) has been driven by the gaming industry over the last decade.

Virtual reality-based technology is a new but rapidly growing area in medicine, which will revolutionize health care in the foreseeable future. In the past decade, medical applications of virtual reality technology had been rapidly developing, and the technology has changed from research to a commercial.

8.1 Doctors getting trained in Virtual Hospital

Education and training are one of the most promising application areas for virtual reality technologies. Medical students will be able to learn real-world practical problem in the VR world. For example, Medical students can operate a patient who will be dying due to a certain disease in a VR world and even medical students can get knowledge about emergencies an accident.

8.2 Image Guided Diagnosis

Virtual Reality system will allow physicians to view data such as MRI(magnetic resonance imaging) scans during a surgery to aid in the proper positioning of medical instrumentation.

8.3 Aeronautical Training Programs

Virtual Reality is playing an important role in Aeronautics which is very helpful for Army, Air force, Navy etc.

8.4 Flight stimulators

With the help of flight simulators which are based on virtual reality, we can train the pilots.

8.5 Virtual Reality Parachute Training

Virtual Reality Programs are also used in parachute training and it is only due to this technology that life risk can be totally avoided.

8.6 Aircraft Designing Programs

Virtual Reality has done the job easy for aircraft designers. They can easily check every angle and the flow of air on the body of the aircraft.

8.7 World Tour

You can explore every corner of the world with the help of virtual reality technology. Just imagine for a moment that you are sitting in your house located in Lahore and you are enjoying visit to New York and if you do not like it then in less than a second approximately with a speed of light you can go to Dubai and if in Dubai there is a hot sunny day of June then you can enjoy snowfall just with a click of a button.

8.8 Virtual Teaching Programs

A student can get an education from the professors at Howard University and can enjoy the campus and environment of Howard University. A teacher can improve their teaching skills by presenting lectures in a virtual reality classroom of Howard University which provides the same environment like real classrooms.

9. AR AND VR A SOCIAL EVOLUTION OR SOCIAL THREAT?

It's frustrating knowing that we currently possess the technology to make some really far out Virtual Reality applications and AR technology but not seeing them widely distributed. We can't wait for this stuff to evolve; really, it's a fascinating technology.

Like all great technologies, there's a monumental duality about it.

Virtual Reality technology can represent the next step in the sociological evolution of humanity. A world where you can do anything, you can enjoy everything in the virtual world which you cannot even dream in this real world like you can enjoy the latest model of Mercedes without spending any money and a world where every virtual desire of mankind can be satisfied for the cost of pennies.

On the other hand, Virtual Reality could be the greatest single threat to society. Imagine an entire modernized civilization leaving the "real" world for the "virtual" one. A nation of empty streets, empty schools as a family spend their entire days plugged into a Virtual Reality Machine everybody will be living in their own world and living their life happily without any tensions and sorrows and above all that world will be according to your taste.

Above all, it is concluded that the virtual reality is acting a social evolution or society depends on the ways it can be used. If you enjoy a drive of Mercedes in virtual reality it will cause a loss to Mercedes Company and leads to a loss of the country's economy. If you use it in a way like Virtual Training System and in the field of medical, these tools will surely result out in marketing effectiveness.

10. IMPACT

There has been increasing interest in the potential social impact of new technologies, such as virtual reality (as may be seen in utopian literature, within the social sciences, and in popular culture).

Perhaps most notably, Mychilo Stephenson Cline, in his book, *Power, Madness, and Immortality: The Future of Virtual Reality*, argues that virtual reality will lead to a number of important changes in human life and activity. He argues that:

- Virtual reality will be integrated into daily life and activity and will be used in very human ways.
- Techniques will be developed to influence human behaviour, interpersonal communication, and cognition (i.e., virtual genetics).
- As we spend more and more time in virtual space, there will be a gradual "migration to virtual space," resulting in important changes in economics, worldview, and culture.
- The design of virtual environments may be used to extend basic human rights into virtual space, to promote human freedom and well-being, and to promote social stability as we move from one stage in socio-political development to the next.

11. PUBLIC PERCEPTION

The general public's fascination and expectations of the Virtual Reality field and applications have been greatly influenced by the coverage it has received in the mass media. The high expectations raised from the coverage, and from movies such as *The Lawnmower Man* have led to disappointment and ambivalence concerning VR and its value to the individual. VR's success in the entertainment marketplace has been uneven at best, in part driven by disappointment with the reality of virtual reality versus the mass media notions and because the cost still after decades is nearly prohibitive for immersive equipment owners, forcing them to pass the cost onto the users of the equipment—and the experience using contemporary VR equipment still has not demonstrated it is superior to satisfaction gained from other entertainment alternatives of similar or lesser cost.

To date, the exceptions in the public sector have been theme parks and similar venues and video gaming (with a population willing to engage with the imaginary environments on the developers' terms). However, the public seems more than willing to embrace VR as a common media, provided the experience provided matches up to tremendously high expectations created by illusions of what VR could be provided by movies and television alongside actual news coverage. For the technology to work well enough to support a business model, it must break through the "novelty barrier" with a killer application to commoditize the industry. With the goal of ideal simulated reality itself possibly unattainable, virtual reality technologies have found their best success in an industry where they line up with pre-existing business needs. To be able to mock up the physical world with relatively high fidelity is difficult but technically feasible, to be able to mock up a person's perception/imagination to the same level is a task far more complex.

12. FUTURE

12.1 Access to Artificial Intelligence

Amid an ongoing AR hackathon, a savvy home coordinated HoloLens with signal control was created. Everything focuses on one of the key future patterns of AR, which is mixed with Artificial Intelligence (AI) programming, innovation, and stages. Regardless of whether it's showing data about the temperature of another room in your home or giving extra data about the food in your refrigerator as you glance through it, AR will keep on coordinating with AI stages like Siri and Amazon Echo to enhance individuals' everyday lives.

12.2 Device Convergence

Today, the cell phone is the most pervasive innovation gadget for buyers. Prior to that, the PC and laptops were the technologies that individuals depended on the most. However, as AR advances and keeps on being more accepted, the usefulness of different gadgets will start to unite into glasses and headsets. Functions which are more exceptionally received, such as checking social media, directing Skype calls, and working with efficiency tools like spreadsheets will end up being possible with AR glasses through motion and gesture detection.

12.3 AR Advertising

As people have started consuming more by means of AR headsets and glasses, the opportunity for promoters to contact individuals will increment exponentially. Furthermore, they'll have the capacity to do so on location, continuously, and in manners that are most relevant and personal to that purchaser. The headset could show specials or new items that the individual may be keen on purchasing. Or on the other hand, a furniture company may give buyers a chance to visualise how another couch or bed would look in their home, while in the meantime showing the information about the prices. As AR gadgets adoption increases, so will the opportunities for advertisers to reach consumers in a highly targeted fashion.

12.4 Functional enhancements

The AR glasses of today and even future will overshadow in comparison with respect to usefulness to the AR headsets of the future. Center AR elements of sight, hearing, and talking will all enhance significantly in the following couple of years. Future AR glasses,

for example, will have a more extensive field of vision than current gadgets, more closely approximating a full view with the capacity to display the data regardless of where individuals are looking. We likewise foresee advances in motion capture technology, possibly enabling clients to just use signals to advise the gadget to perform tasks like give data about a physical thing kept in front of them, or give directions to somebody focuses to a location that somebody points to.

13. CONCLUSION

It tends to be a significant threatening thing for computerized advertisers to add one more channel to their effectively extensive rundown of different advanced showcasing channels to make substance to. Be that as it may, the most vital thing is to in any event begin contemplating VR and AR and afterwards to begin exploring different avenues regarding both at the earliest opportunity. Enormous organizations have been making colossal speculations around AR and VR, so we are very sure they'll be a major piece of our lives in a couple of years if not sooner.

Subsequent to perusing several articles about VR and AR, and visiting a couple VR and AR occasions, it turned out to be very clear, that AR will be the more broadly received of the two innovations. AR is so effectively gotten to by anybody with a cell phone, so advertisers will in all likelihood lean toward AR to contact a more extensive crowd. VR will be increasingly famous in the diversion field and engineering, just as utilized in instruction and occasions to give a progressively significant client experience.

For advanced advertisers, there are numerous VR and AR organizations moving their administrations, as ZOAN and Arilyn. And afterwards, there are different devices, as ARKit and ARCore, for advertisers to exploit and make AR content themselves. Also, for VR it's great to recall that there are as of now organizations fit for VR investigation, and something comparative is certain to come to AR advertising eventually too. Since VR and AR are still in the formative stages, it's alright, to begin with, test content and by testing things out and learning your way in. For the greater organizations who can manage the cost of it, it is best to begin putting resources into AR aptitudes inside their very own specialization. Over the long haul, it'll bode well-putting resources into their very own workers as opposed to re-appropriating the activity.

Our objective for this theory was to make a reasonable rule on which innovation to utilize and how for various items and administrations, yet I before long understood that since we are still in beginning times of VR and AR, this was impractical. Rather we gave out a few precedents and thoughts dependent on what we've gained from my exploration, to ideally help advertisers in beginning.

As we would like to think, we observe instructive and engaging promoting to be the best and plan to see them utilized more lately on AR and VR advertising. We're certain that gamification will be enormous in promoting, as an ever-increasing number of individuals are getting into gaming, and the numerous 90's children (such as myself) who grew up with video games are altogether grown up and would likely be amped up for including gaming components into their activity, be it advertising or whatever else. What's more, the most ideal approach to instruct and move is by making it engaging.

We have begun to see more AR content being made for our PDAs, yet what we haven't seen at this time, is VR, AR and MR in their maximum capacity. It will be a distinct advantage once the illustrations get progressively practical, and AR/MR genuinely turns into an expansion to our existence. What's more, when VR gets so genuine distinctive virtual articles from certifiable items turns out to be almost inconceivable.

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